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?

S MAP? AND NAVIGAT? AND (VEHICLE OR CAR OR AUTOMOBILE) AND (VOICE (2W) RECOGNI?) AND
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.

397125 MAP?
102377 NAVIGAT?
367121 VEHICLE
144494 CAR
159423 AUTOMOBILE
64817 VOICE
419839 RECOGNI?
1822 VOICE (2W)RECOGNI?
116 PD=010423
S1 0 MAP? AND NAVIGAT? AND (VEHICLE OR CAR OR AUTOMOBILE) AND
(VOICE (2W) RECOGNI?) AND PD=010423

?

T S4/3, KWIC/1-5

4/3, KWIC/1 (Item 1 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research
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Y+
56739

Vehicle Electronics: VDO Presents Its Latest Developments
ARTELS M
ATZ, Feb 83
February 1, 1983
Page : 77
Collation : (4 p, 6 fig)

Document Type: JOURNAL Language: GERMAN

Record Type: ABSTRACT

Supplier Record Type: AA

Vehicle Electronics: VDO Presents Its Latest Developments

...and BMW including the latter's Service Interval display. It has also developed an electronic navigation system, which uses terrestrial magnetism, and a voice synthesizer, which is fitted to the Audi Quattro. Voice recognition systems are being explored.

Other electronic devices being produced include truck speed governors, an electronic...

4/3, KWIC/2 (Item 2 from file: 81)
DIALOG(R)File 81:MIRA - Motor Industry Research
(c) 2006 MIRA Ltd. All rts. reserv.

56123
The Driver's Workstation (Driver Information Systems)
LDERSEY-WILLIAMS H
Design, Jul 83
August 1, 1983
Page : 50
Collation : (2 p, 10 fig)

Document Type: JOURNAL Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: AA

The range of display technologies now available for use on car dashboards to keep the driver abreast of microprocessor functions includes electroluminescent displays, light-emitting diodes...

...stored as sound fragments in the memory of a microprocessor. Further developments under way are voice recognition and, in the visual field, the front-luminous vacuum fluorescent display (f l v d...).

...displays such as those used in aircraft have met with little success in cars, the map display is a likely proposition. A gyroscope and drive sensors can measure and transmit vehicle direction and speed, but with new satellite systems planned, satellite navigation has become an increasingly probable alternative. (MR)

4/3,KWIC/3 (Item 3 from file: 81)
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49320
Radio-Linked VDU Expands Driving Information
COTT D
SAE J Automot Engng, Apr 85
April 1, 1985
Page : 82
Collation : (2 p, 2 fig)

Document Type: JOURNAL Language: ENGLISH
Record Type: ABSTRACT
Supplier Record Type: AA

Dialog is an in- car information system developed by Renault and presently being operated on a trial basis in Brittany...

...retrieved by voice reports or screen displays. The system can also be used for further navigation aid, automatic vehicle status and fault diagnosis and touch-screen control of internal functions. Voice recognition can also be used to operate minor vehicle controls in addition to its function as a radio communication.

Dialog is to be available...

4/3,KWIC/4 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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01412925 20000507949
CPJazz-a software framework for vehicle systems integration and wireless connectivity
Jones, MT
Proceedings Academia/Industry Working Conference on Research Challenges '00. Next Generation Enterprises: Virtual Organizations and Mobile/Pervasive Technologies. AIWOR'C'00. (Cat. No.PR00628), 27-29 April 2000, Buffalo, NY, USA2000
Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7695-0628-3

CPJazz-a software framework for vehicle systems integration and wireless connectivity
2000

ABSTRACT:

...vehicles continues at a rapid pace. New technology includes not only deeply embedded devices for vehicle systems management but also operator interfaces, such as navigation systems, voice - recognition /text-to-speech interfaces and integration of consumer electronic appliances such as the personal digital...

...scalable component-based architecture. In this paper, the capabilities and services provided by CPJazz for vehicle -based software integrators are discussed, as well as the identification of key scenarios that demonstrate its contributions to the vehicle and wireless environment.

DESCRIPTORS: AUTOMOBILE ELECTRONICS; CONSUMER ELECTRONICS; NOTEBOOK COMPUTERS; SOFTWARE ARCHITECTURE; LANGUAGE RECOGNITION; SPEECH SYNTHESIS;

USER INTERFACES; WIRELESS LAN; NAVIGATION SYSTEMS; STANDARDISATION;
AUTOMOBILES
IDENTIFIERS: RECHNERUNTERSTUETZTE NAVIGATION ; EINGEBETTETES SYSTEM;
PERSOENLICHER DIGITALER ASSISTENT; Kraftfahrzeugelektronik;
Unterhaltungselektronik

4/3,KWIC/5 (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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A+ 00508569 I91084131938

Voice control of remote stereoscopic systems
(Sprachsteuerung eines entfernten stereoskopischen Systems)
Philips, ML
Adv. Resource Dev. Corp., Columbia, MD, USA
SOUTHEASTCON '90. Proceedings, 1-4 April 1990, New Orleans, LA, USA1990
Document type: Conference paper Language: English
Record type: Abstract

1990

ABSTRACT:

The voice control of a stereoscopic system for control of a remote vehicle is discussed. Voice control was accomplished by the integration of a Votan voice recognition system into the main stream of the control circuitry. The camera platform, display console, and...

...this feature was the reduction of the number of personnel required to control the remote vehicle by freeing the hands of at least one operator.
IDENTIFIERS: COMPUTERISED NAVIGATION ; MILITARY SYSTEMS; VOICE EQUIPMENT;
MOBILE ROBOT; AUTONOMOUS VEHICLE ; US ARMY; REMOTE STEREOSCOPIC SYSTEMS;
REMOTE VEHICLE ; VOTAN VOICE RECOGNITION ; CAMERA PLATFORM; DISPLAY CONSOLE; Fahrzeugfernsteuerung; Spracheingabe
?

Set	Items	Description
S1	0	MAP? AND NAVIGAT? AND (VEHICLE OR CAR OR AUTOMOBILE) AND (- VOICE (2W) RECOGNI?) AND PD=010423
S2	0	(VOICE (2W) RECOGNI?) AND PD=010423 AND (VEHICLE OR CAR OR AUTOMOBILE)
S3	18	(VOICE (2W) RECOGNI?) AND PD<=010423 AND (VEHICLE OR CAR OR AUTOMOBILE)
S4	5	S3 AND (MAP? OR NAVIGAT?)
S5	13	S3 NOT S4
S6	13	RD (unique items)
?		

T S6/3, KWIC/1-13

6/3, KWIC/1 (Item 1 from file: 81)
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A 66905

Speech Control Systems in Vehicles: Possibilities and Restrictions
FAERBER B; POPP MM
Corporate Source: Munchen-Neubiberg Bundeswehr Univ; Tubingen Univ
ISATA 89. Proceedings, Vol II, Paper 89110
May 29, 1989
Page : 1211
Collation : (7 p, 3 fig, 2 ref)

Document Type: JOURNAL
Record Type: ABSTRACT
Supplier Record Type: AA

...manual controls may distract him from his primary task, that is handling and manoeuvring the car. Thirdly, manual control of devices like route guidance systems is very inconvenient. Finally, the fact that voice recognition systems are developed in laboratories all over the world cannot be ignored and, as history...

6/3, KWIC/2 (Item 2 from file: 81)
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A 63942
Voice-Activated Controls in an Automotive Environment
GERSON I; MIKULSKI J
Corporate Source: Motorola Inc
ISATA 88. Proceedings, Vol 1, Paper 88066
May 30, 1988
Collation : (13 p, 6 fig)

Document Type: JOURNAL
Record Type: ABSTRACT
Supplier Record Type: AA

...a driver's eyes and hands are typically occupied with the safe operation of the vehicle .

The major technical difficulty with operating in the automotive environment is the high ambient noise condition that must be tolerated by the voice recognition system.

This paper describes techniques which have been developed to tolerate the high noise conditions...

6/3, KWIC/3 (Item 3 from file: 81)
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56738
Voice Control Joins Advancing Speech Synthesis
SCOTT D; et al

SAE J Automot Engng, Feb 83

May 1, 1983

Page : 75

Collation : (4 p, 6 fig)

Document Type: JOURNAL Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: AA

Smiths Industries are developing a voice recognition unit for cars to enable a driver to interrogate the on-board microcomputer or instruct...

...memory in the megabyte region. Smiths reports that conversation or a radio playing in the car are not problems, and misread commands are exceptional.

Renault is working on a similar system...

...synthesizer on the 4 x 4 Quattro as the first European application on a production car, now followed by the Maestro top-range models. (PC)

6/3,KWIC/4 (Item 4 from file: 81)

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54776

A New Approach to Driving: The 'Listening' Car

OUZE RC

Auto-Volt, Sep 83

September 1, 1983

Page : 35

Collation : (4 p, 7 fig)

Document Type: JOURNAL Language: FRENCH

Record Type: ABSTRACT

Supplier Record Type: AA

A New Approach to Driving: The 'Listening' Car

The first step in the development of a voice recognition system is the same as that employed in speech synthesis, ie the individual parts of...

...detailed.

Since the voice patterns of one person only will correspond to the recorded data, voice recognition provides a highly effective anti-theft facility. The objective of the 'listening' car is not, however, solely concerned with the prevention of theft, it is thought that less...

6/3,KWIC/5 (Item 5 from file: 81)

DIALOG(R)File 81:MIRA - Motor Industry Research

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53939

The Speaking Car

OUZE RC

Auto-Volt, Nov 83

November 1, 1983

Page : 51

Collation : (7 p, 12 fig)

Document Type: JOURNAL Language: FRENCH

Record Type: ABSTRACT

Supplier Record Type: AA

The Speaking Car

Voice recognition and synthesis in cars are providing the basis for a new approach to the prevention...

6/3,KWIC/6 (Item 6 from file: 81)

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49818

Safety Aspects of Cellular Telephones in Automobiles

ZWAHLEN HT; ADAMS CC; SCHWARTZ PJ

Corporate Source: Ohio Univ

ISATA 88. Proceedings, Vol 1, Paper 88058

May 30, 1988

Collation : (18 p, 11 fig, 4 ref)

Document Type: JOURNAL

Record Type: ABSTRACT

Supplier Record Type: AA

...a cellular telephone under four different experimental conditions (telephone mounted in a high position inside car , telephone mounted in a low position inside car , driver not permitted to look at roadway while dialling the cellular phone, driver permitted to...

...of 200 runs per study. The drivers were to align the longitudinal centreline of the vehicle with the centreline of the runway and drive in the straightest path possible while dialling...

...top portion of the dashboard face) or in the low position (keypad horizontal on the car seat). The telephone number (11 digits) was read from a piece of paper located near...

...In the other half of the runs, the drivers were permitted to look outside the vehicle at the runway as often as they considered it necessary in order to maintain a close lateral position of the vehicle along the runway centreline. A device which dripped liquid dye, attached to the centre of the rear bumper of the car to indicate its path, allowed the lateral path deviations from the longitudinal centreline of the car to the centreline of the runway to be measured every 15 feet for a distance ...

...to prevent the use of the phones on bends and/or in heavy traffic, or voice recognition input devices, need to be investigated in order to afford safer and more efficient cellular...

6/3,KWIC/7 (Item 7 from file: 81)

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45763

Commercial Vehicle Electronics - A North American Perspective

STANLEY DP

Corporate Source: Navistar Internat Transpn Corp
ISATA 87: 16th International Symposium on Automotive Technology and
Automation. Proceedings, Vol 3: Paper 87003

September 1, 1987

Page : 37

Collation : (8 p, 1 fig)

Document Type: JOURNAL

Record Type: ABSTRACT

Supplier Record Type: AA

Commercial Vehicle Electronics - A North American Perspective

...Reliability and durability of systems will require considerable improvement in individual components. Finally, consideration of vehicle safety using electronics in, for example, anti-jack-knife control, voice recognition and radar collision warning systems is examined. (GW)

6/3,KWIC/8 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

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01114096 I97060237261

Mind your language (voice processing and recognition)

Emmerson, B; Warwick, M

Communications International, v24, n5, pp8-10, 12, 14, 1997

Document type: journal article Language: English

Record type: Abstract

ISSN: 0305-2109

Mind your language (voice processing and recognition)

1997

ABSTRACT:

Voice processing and voice recognition technologies have been more than a century getting out of the laboratory and into the...

...in memory. Up to ten numbers can be tagged and the main application is in- car use. The Nortel phone adds hands-free operation. A sensor converts to normal mode when...

IDENTIFIERS: VOICE PROCESSING; VOICE RECOGNITION ; BUSINESS APPLICATIONS; NORTEL; VOICE ACTIVATED DIALLING; GSM PHONES; VOICE TAG; IN CAR USE; HANDS FREE OPERATION; AUTOTELEFON; Spracherkennung; Mobilfunk; Autotelefon; schnurloses Telefon

6/3,KWIC/9 (Item 2 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

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01096390 E97050167243

Spracherkennung in der Mobiltelefonie

(Voice recognition in mobile telephony)

Sicker, M

Brite Voice Syst., Dietlikon, CH

ComTec, v75, n4, pp42-45, 1997

Document type: journal article Language: German

Record type: Abstract

ISSN: 1420-3715

(Voice recognition in mobile telephony)

1997

...DESCRIPTORS: CUSTOMER SERVICE; MOBILE RADIO SERVICE; TELEPHONE NETWORKS; SERVICE; TELEPHONE EXCHANGES; TELEPHONE ENGINEERING; DATA BANK; SAFETY; AUTOMOBILE ELECTRONICS; DATABASE MANAGEMENT SYSTEM; ACCESS CONTROL; CONTROL PANELS; DATA INPUT; MARKET; CODES

6/3,KWIC/10 (Item 3 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
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01039434 E96116788021

Voice activated command for automotive applications
(Sprachgesteuerte Kommandos fuer Fahrzeug-Anwendungen)

Birmingham, K

DSP Communications, Cupertino, USA

AVIOS 95, the 14th Annual Internat. Voice Technol. Applications Conf.,
Proc., San Jose, USA, Sep 12-14, 19951995

Document type: Conference paper Language: English

Record type: Abstract

1995

ABSTRACT:

...The application specific DSP discussed here, the D6106 advanced voice command processor, supports high performance voice recognition for noisy environments. Implemented in the DSP core are algorithms for speech recognition, compression, and...

...system for automobiles implementing DSP communication's D6106 chip. The design achieves both high performance voice recognition and prompt synthesis. Recognition rates exceed 97 % even in noisy environments.

Improving overall system performance...

DESCRIPTORS: DIGITAL SIGNAL PROCESSORS; DIGITAL SIGNALS; SPEECH PROCESSING; LANGUAGE RECOGNITION; HIGHWAY VEHICLES; MOTOR VEHICLES; AUTOMOBILE ELECTRONICS; AIRBORNE COMPUTERS; GRAND SCALE INTEGRATION; CHIPS...

6/3,KWIC/11 (Item 4 from file: 95)

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00905425 E95086006006

DSP solutions for automotive voice recognition

(DSP-Loesungen fuer die Spracherkennung im Kraftfahrzeug)

Bayle, SD

AT&T Microelectronics

Leading Change: The Transportation Electronic Revolution, Proc. of the 1994 Int. Congress on Transportation Electronics, Dearborn, USA, Oct 17-19, 1994

1994

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7803-2421-8

DSP solutions for automotive voice recognition

1994

ABSTRACT:

...to the point that it has been integrated into several consumer products. The addition of voice recognition to an automobile faces numerous challenges that must be addressed from the perspective of a typical user. The voice recognition unit must function to high accuracy in high background noise environments, and must be made...

...complementary functions within one device to minimize total system cost. These functions include: Speaker Independent Voice Recognition , Speaker Trained Voice Recognition , Adaptive Noise Cancellation, Voice Response, and possibly signal processing for vehicle mounted cellular phones and audio systems. Enabling this integration is the advent of Digital Signal...

DESCRIPTORS: AUTOMOBILE ELECTRICS; LANGUAGE RECOGNITION; SPEECH SIGNAL; SPEECH PROCESSING; DIGITAL SIGNAL PROCESSORS; CHIPS...

6/3,KWIC/12 (Item 5 from file: 95)
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00733637 M93120084610

Voice recognition by neural network under tractor noise
(Spracherkennung durch ein neuronales Netz bei Traktorgeräuschen)
Sato, K; Hoki, M; Salokhe, VM
Univ. Mie, J; Asian Inst. of Technol., Bangkok, Thailand
Transactions of the ASAE, v36, n4, pp1223-1227, 1993
Document type: journal article Language: English
Record type: Abstract
ISSN: 0001-2351

Voice recognition by neural network under tractor noise
1993
DESCRIPTORS: AGRICULTURAL TRACTORS; AUTOMATISATION; PERFORMANCE RELIABILITY ; ARTIFICIAL NEURAL NETWORKS; VEHICLE NOISE; LANGUAGE RECOGNITION; SPEECH INPUT

6/3,KWIC/13 (Item 6 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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00718460 E93093939062

Tactical voice input/output devices
(Taktische Spracheingabe/-ausgabegeräte)
Ruppe, D; Tirabassi, B
CECOM Ft. Monmouth, USA; Tech. Evaluation Res., Little Silver, USA
MILCOM '92, Communications - Fusing Command, Control and Intelligence, IEEE Military Communications Conf., Conf. Record, Vol. 2, San Diego, CA, USA, 11-14 Oct. 1992
Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7803-0586-8

1992

ABSTRACT:

...the soldier's interface with the automated C2 systems when on-the-move in a vehicle aircraft, or on foot. Voice commands also provide an efficient supplement to traditional input and...

...in three critical technology areas: 1) Input and Output appliances that

offer noise immunity, 2) Voice recognition and speech synthesis accuracy, and 3) Command and control vocabulary development and application dependencies.

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